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ning of each regular issue of the PCT Gazette.

(54) Title: MULTIFUNCTIONAL UNSYMMETRICALLY SUBSTITUTED MONOMERS AND POLYARYLENE COMPO-
SITIONS THEREFROM

(57) Abstract: A monomer suitable for use in forming low dielectric constant films in semiconductor devices comprising i) two
dienophile groups (A-functional groups) attached to a single aromatic ring and ii) a second ring structure comprising two conjugated
carbon-to-carbon double bonds and a leaving group L (B-functional group), characterized in that said single aromatic ring is directly
covalently attached to one of the double bonded carbons of the B functional group or to a fused aromatic ring containing two such
double bonded carbons of the B-functional group, and one A-functional group of one monomer is capable of reaction under cycload-
dition reaction conditions with the B-functional group of a second monomer to thereby form a polymer.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	J. ORG. CHEM., vol. 62, no. 11, 1997, pages 3430-3431, XP002294396 Compounds 8a,8c,8d,8d' in the left-hand column on p.3431 and surrounding text.	1,6,7
X	J. ORG. CHEM., vol. 62, 1997, pages 3432-3433, XP002294397 Compounds 7a,7b	1,6,7
P,X	WO 03/068825 A (DOW GLOBAL TECHNOLOGIES INC ; GODSCHALX JAMES P (US); NIU QING SHAN J) 21 August 2003 (2003-08-21) Formulae XI-XVI, XXVI, XXVII, claims 1-25; examples 22,23,26,30,31,33,36	1-4,6-9

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Information on patent family members

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WO 03068825	A	21-08-2003	WO 03068825 A2	21-08-2003
			US 2004053033 A1	18-03-2004